

1 **WHAT IS CLAIMED IS:**

2 1. A security system comprising:

3 a security gateway located at a premises, wherein the security gateway is operable
4 to detect an alarm condition and to record video of at least a portion of the
5 premises relating to the alarm condition, said video hereinafter referred to
6 as Alarm Video;

7 a security system server operatively coupled to the security gateway through a
8 first network, wherein the security gateway is configured to notify the
9 security system server of the alarm condition and to transfer the Alarm
10 Video to the security system server in substantially real time through the
11 first network; and

12 wherein the security system server is further operatively coupled to the security
13 gateway through a second network, wherein the security gateway is
14 configured to notify the security system server of the alarm condition
15 through the second network.

16

17 2. The system of claim 1, wherein the security gateway is further configured to
18 notify the security system server of the alarm condition through the first network
19 substantially simultaneously with notifying the security system server of the alarm
20 condition through the second network.

21

22 3. The system of claim 1, wherein the first network is an IP network.

23

24 4. The system of claim 1, wherein the first network is an Ethernet-based network.

25

26 5. The system of claim 1, wherein the first network comprises the Internet.

27

28 6. The system of claim 1, wherein the first network comprises a frame relay
29 network.

30

1 7. The system of claim 1, wherein the first network comprises a hybrid-fiber coaxial
2 network.

3
4 8. The system of claim 1, wherein the first network comprises a fiber-optic network.

5
6 9. The system of claim 1, wherein the first network comprises a DSL network.

7
8 10. The system of claim 1, wherein the first network comprises an ATM network.

9
10 11. The system of claim 1, wherein the first network comprises a high-speed fixed
11 wireless network.

12
13 12. The system of claim 1, wherein the first network comprises a high-speed mobile
14 communications network.

15
16 13. The system of claim 1, wherein the second network comprises a public switched
17 telephone network.

18
19 14. The system of claim 1, wherein the second network comprises a fixed wireless
20 network.

21
22 15. The system of claim 1, wherein the second network comprises a mobile
23 communications network.

24
25 16. The system of claim 1, wherein the security gateway is further operable to record
26 audio from at least a portion of the premises relating to the alarm condition, said audio
27 referred to hereinafter as Alarm Audio, and wherein the security gateway is further
28 configured to transmit said Alarm Audio to the security system server through the second
29 network in substantially real time.

30

1 17. The system of claim 1, wherein the security system server is configured to
2 provide notification of the alarm condition to a public safety agency.

3
4 18. The system of claim 17, wherein the security system server is further configured
5 to provide the Alarm Video to the public safety agency.

6
7 19. The system of claim 1, wherein the security gateway is further operable to record
8 audio from at least a portion the premises relating to the alarm condition, said audio
9 referred hereinafter as Alarm Audio, and wherein the security gateway is further
10 configured to transmit said Alarm Audio to the security system server through the first
11 network in substantially real time.

12
13 20. A security system comprising:

14 a security gateway located at a premises,

15 wherein the security gateway is operable to detect an alarm condition and
16 to record video of at least a portion of the premises relating to the
17 alarm condition, said video hereinafter referred to the Alarm
18 Video,

19 wherein the security gateway further comprises a network interface, and
20 wherein the network interface is configured to connect the security

21 gateway to a cable headend through a first network, wherein said
22 first network is a hybrid-fiber-coaxial network; and

23 a security system server configured to connect to the cable headend through a
24 second network,

25 wherein the security gateway is configured to notify the security system server of
26 the alarm condition and to transfer the Alarm Video to the security system
27 server in substantially real time.

28
29 21. The system of claim 20, wherein the second network is a dedicated bandwidth
30 network.

22. The system of claim 20, wherein the second network comprises a frame relay network.

23. The system of claim 20, wherein the second network comprises an ATM network.

24. The system of claim 20, wherein the second network comprises a managed IP connection having quality of service.

25. The system of claim 20, wherein the security gateway is operatively coupled to the security system server through a third network, the security gateway being further configured to notify the security system server of the alarm condition through the third network.

26. The system of claim 25, wherein the third network comprises a public switched telephone network.

27. The system of claim 25, wherein the third network comprises a fixed wireless network.

28. The system of claim 25, wherein the third network comprises a mobile communications network.

29. The system of claim 20, wherein the security gateway is further operable to record audio from at least a portion the premises relating to the alarm condition, said audio referred hereinafter as Alarm Audio, and wherein the security gateway is further configured to transmit said Alarm Audio to the security system server through the second network in substantially real time.

30. The system of claim 20, wherein the security system server is configured to provide notification of the alarm condition to a public safety agency.

1 31. The system of claim 30, wherein the security system server is further configured
2 to provide the Alarm Video to the public safety agency.

3
4 32. A security system for providing security monitoring services for a customer
5 comprising:

6 a security gateway located at a premises designated by the customer,
7 wherein the security gateway is operable to detect an alarm condition and
8 to record video of at least a portion of the premises relating to the
9 alarm condition, said video hereinafter referred to as the Alarm
10 Video,

11 wherein the security gateway further comprises a network interface, and
12 wherein the network interface is configured to connect the security
13 gateway to a DSLAM through a first network, wherein the first
14 network is a DSL network; and

15 a security system server connected to the DSL through a second network, wherein
16 the security gateway is configured to notify the security system server of
17 the alarm condition and to transfer the Alarm Video to the security system
18 server in substantially real time.

19
20 33. The system of claim 32, wherein the second network is a dedicated bandwidth
21 network.

22
23 34. The system of claim 32, wherein the second network is a frame relay network.

24
25 35. The system of claim 32, wherein the second network is an ATM network.

26
27 36. The system of claim 32, wherein the second network comprises a managed IP
28 connection having quality of service.

29
30 37. The system of claim 32, wherein the security gateway is operatively coupled to
31 the security system server through a third network, the security gateway being further

1 configured to notify the security system server of the alarm condition through the third
2 network.

3
4 38. A security system for providing security monitoring services comprising:
5 a security gateway located at a premises designated by a user, wherein the
6 security gateway is operable to detect an alarm condition and to record
7 video of at least a portion of the premises relating to the alarm condition,
8 said video hereinafter referred to the Alarm Video;
9 a security system server operatively coupled to the security gateway and a data
10 center, the data center comprising:
11 a user information database, comprising data about the user, said data
12 referred to hereinafter as User Data,
13 wherein the security gateway is configured to notify the data center of the
14 alarm condition and to transfer the Alarm Video to the data center
15 in substantially real time,
16 wherein the security system server is operable to associate the Alarm
17 Video with at least a portion of the User Data, said portion of the
18 User Data referred to hereinafter as Associated User Data, and
19 a monitoring client operatively coupled to the monitoring client, wherein the data
20 center is configured to transfer the notification of the alarm condition, the
21 Alarm Video and Associated User Data to the monitoring client, and
22 wherein the monitoring client is configured to display at least a portion of
23 the Alarm Video and the Associated User Data on the monitoring
24 client.

25
26 39. The system of claim 38, wherein the monitoring client is at a central monitoring
27 station.

28
29 40. The system of claim 39, wherein the security gateway is further operatively
30 coupled to a central monitoring server at the central monitoring station, and wherein the

1 security gateway is configured to transfer a notification of the alarm condition to the
2 central monitoring server.

3
4 41. The system of claim 38, wherein the data center is further operable to store the
5 notification of the alarm condition in the user information database.

6
7 42. The system of claim 38, wherein the data center is further operable to store the
8 Alarm Video in the user information database.

9
10 43. A security system for providing security monitoring services for a plurality of
11 users comprising:

12 a plurality of security gateways, each located at a premises, wherein each security
13 gateway is operable to detect an alarm condition and to record video of at
14 least a portion of its respective premises relating to the alarm condition,
15 said video hereinafter referred to the Alarm Video;

16 a security system server operatively coupled to the plurality of security gateways,
17 the security system server comprising a user information database,
18 comprising data about each of the plurality of users, said data referred to
19 hereinafter as User Data,

20 wherein each security gateway is configured to notify the security system
21 server of the alarm condition and to transfer the Alarm Video to
22 the security system server in substantially real time,

23 wherein the security system server is operable to associate the Alarm
24 Video with at least a portion of the User Data, said portion referred
25 to hereinafter as Associated User Data; and

26 a monitoring client operatively coupled to the security system server, and wherein
27 the security system server is configured to transfer the notification of the
28 alarm condition, the Alarm Video and Associated User Data to the
29 monitoring client, and
30 wherein said monitoring client is configured to display at least a portion of
31 the Alarm Video and the Associated User Data.

1
2 44. The system of claim 43, wherein the security system server is further operable to
3 store the notification of the alarm condition in the user information database.

4
5 45. The system of claim 43, wherein the security system server is further operable to
6 store the alarm video in the user information database.

7
8 46. The system of claim 43, wherein the monitoring client is at a central monitoring
9 station.